



Environmental Protection Division
Ecology and Air Quality Group
P.O. Box 1663, MS J978
Los Alamos, New Mexico 87545
(505) 665-8855/FAX: (505) 665-8858

Date: July 28, 2008
Refer to: ENV-EAQ:08-175

Ms. Debra McElroy
Manager, Compliance and Enforcement Program
New Mexico Environment Department
Air Quality Bureau
1301 Siler Road, Building B
Santa Fe, New Mexico 87507

IDEA ID 856 – LOS ALAMOS NATIONAL LABORATORY
2008 SECOND QUARTER BERYLLIUM EMISSIONS REPORT
APRIL 1– JUNE 30, 2008
AIR QUALITY PERMIT NO. 634-M2

Dear Ms. McElroy:

Attached as Enclosure 1 you will find a copy of the sampling data obtained from the continuous air monitor installed on the main exhaust stack at the Beryllium Technology Facility (BTF) at Los Alamos National Laboratory (LANL) for the **Second quarter of calendar year 2008**. This submission of the quarterly emissions data, collected from this source, is required by permit condition 5.f of NMED Air Quality Permit #634-M2 dated October 30, 1998. Furthermore, this quarterly report is transmitted within the allowed 60 days after the end of the calendar quarter, as specified in the permit.

As specified in permit #634-M2, the beryllium stack emissions from the BTF shall not exceed 0.35 grams in a 24-hour time period and shall not exceed 3.5 grams per year. As can be seen on the attached data sheet, the highest daily emission rate (HDER) during the second quarter of calendar year 2008 was $< 1.82 \times 10^{-5}$ grams per 24 hours, which is well below the daily permit limit. The total amount of beryllium emitted for the second quarter of calendar year 2008 was $< 1.63 \times 10^{-3}$ grams. Additionally, the total for the first two quarters of calendar year 2008 is $< 3.32 \times 10^{-3}$ grams, which is well below the 3.5 gram per year limit specified in the permit. Based on the attached information, LANL is in compliance with condition #2 of NMED Air Quality Permit #634-M2.

If you have any questions or comments regarding this submittal or would like to discuss this in greater detail, please feel free to contact Steve Story at 665-2169 or Kathleen Gorman-Bates at 665-1338.

Ms. Debra McElroy
ENV-EAQ:08-175
LA-UR:08-05254

-2-

July 28, 2008

Sincerely,



Dianne Wilburn
Ecology & Air Quality Group

KGB/DW:alb

Enc: a/s

Cy:

Jan Van Prooyen, DIR, A100
Michael Mallory, PADOPS, A102
Richard Watkins, ADESH&Q, K491
IRM-RMSS0, A150
ESH&Q File, K491
S. Fong, DOE-LA-SO, A316
V. George, ENV-DO, J978
P. Dunn, MST-6, G770
S. Abeln, MST-6, G770
P. Wardwell, LC-ESH, A187
M. Gallegos, ENV-EAQ, E509
S. Story, ENV-EAQ, J978
K. Gorman-Bates, ENV-EAQ, J978
ENV-EAQ Records Room, Title V Beryllium Permit #634 Quarterly Reports
ENV-EAQ File

LA-UR-08-05254

Approved for public release;
distribution is unlimited.

Title: 2008 Second Quarter Beryllium Emissions Report
April 1 - June 30, 2008
Air Quality Permit No. 634-M2
Los Alamos National Laboratory

Author(s): Kathleen Gorman-Bates, ENV-EAQ

Intended for: Ms. Debra McElroy
Manager, Compliance and Enforcement Program
New Mexico Environment Department
Air Quality Bureau
1301 Siler Road; Building B
Santa Fe, New Mexico 87507



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Enclosure 1

Beryllium 2008 Stack Emissions
TA-03-0141

TA-3-141 StackID: 3014101

Sampling dates

Period #: 1

12/20/2007	-	1/3/2008
1/3/2008	-	1/10/2008
1/10/2008	-	1/17/2008
1/17/2008	-	1/24/2008
1/24/2008	-	1/31/2008

Period #: 2

1/31/2008	-	2/7/2008
2/7/2008	-	2/14/2008
2/14/2008	-	2/21/2008
2/21/2008	-	2/28/2008

Period #: 3

2/28/2008	-	3/6/2008
3/6/2008	-	3/13/2008
3/13/2008	-	3/20/2008
3/20/2008	-	3/27/2008
3/27/2008	-	4/3/2008

Emissions (g)		Comments
Weekly(1)	Daily(2)	
Sum of weekly results must be <3.5 g/year		
Cannot Exceed 0.35 g/day		
< 1.21E-04	< 8.66E-06	Run time due to Holiday.
< 1.21E-04	< 1.73E-05	
< 1.21E-04	< 1.73E-05	
< 1.21E-04	< 1.74E-05	
< 1.21E-04	< 1.72E-05	
Period 1 Sum: < 6.05E-04		
< 1.21E-04	< 1.74E-05	
< 1.21E-04	< 1.74E-05	
< 1.21E-04	< 1.74E-05	
< 1.21E-04	< 1.73E-05	
Period 2 Sum: < 4.84E-04		
< 1.21E-04	< 1.70E-05	Run time due to 2 hour weather delay. Sample pump off.
< 1.21E-04	< 1.76E-05	Run time due to 2 hour delay.
< 1.21E-04	< 1.71E-05	
< 1.21E-04	< 1.73E-05	
< 1.21E-04	< 1.75E-05	
Period 3 Sum: < 6.05E-04		

1st Quarter Total: < 1.69E-03	HDER < 1.76E-05
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^a HDER = Highest Daily Emission Rate

Beryllium 2008 Stack Emissions
TA-03-0141

Period #:	4					
	4/3/2008	-	4/10/2008			
	4/10/2008	-	4/17/2008	<	1.21E-04	<
	4/17/2008	-	4/24/2008	<	1.21E-04	<
	4/24/2008	-	5/1/2008	<	1.21E-04	<
			Period 4 Sum:	<	4.84E-04	
Period #:	5					
	5/1/2008	-	5/8/2008	<	1.27E-04	<
	5/8/2008	-	5/15/2008	<	1.27E-04	<
	5/15/2008	-	5/22/2008	<	1.27E-04	<
	5/22/2008	-	5/29/2008	<	1.27E-04	<
			Period 5 Sum:	<	5.08E-04	
Period #:	6					
	5/29/2008	-	6/5/2008	<	1.27E-04	<
	6/5/2008	-	6/12/2008	<	1.27E-04	<
	6/12/2008	-	6/19/2008	<	1.27E-04	<
	6/19/2008	-	6/26/2008	<	1.27E-04	<
	6/26/2008	-	7/3/2008	<	1.27E-04	<
			Period 6 Sum:	<	6.35E-04	
			2nd Quarter Total:	<	1.63E-03	<
						1.82E-05

^a HDER = Highest Daily Emission Rate



New Mexico Environment Department
Air Quality Bureau
Compliance and Enforcement Section
2048 Galisteo
Santa Fe, NM 87505
Phone (505) 827-1494
Fax (505) 827-1523



Version 11.22.06

REPORTING SUBMITTAL FORM

NMED USE ONLY

Staff _____

Admin _____

PLEASE NOTE: ® - Indicates required field

SECTION I - GENERAL COMPANY AND FACILITY INFORMATION

® Company Name: Los Alamos National Security			® Facility Name: Los Alamos National Laboratory		
® Company Address: P.O. Box 1663 MS J978			® Facility Address: Same as Company		
® City: Los Alamos	® State: NM	® Zip: 87545	® City:	® State:	® Zip:
® Company Environmental Contact: Dianne Wilburn		® Title: EAQ Group Leader		® Facility Contact: Steve Story	
® Phone Number: 505 667 6952		® Fax Number: 505 665 8858		® Title: Team Leader - Compliance	
® Email Address: dianne@lanl.gov		® Phone Number: 505 665 2169		® Fax Number: 505 665 8858	
® Email Address: story@lanl.gov		® Phone Number: 505 667 4218		® Fax Number: 505 665 3811	
Responsible Official: (Title V only): Richard S. Watkins		Title: Associate Director ESH&Q		Fax Number: 505 665 3811	
® AI Number:	Title V Permit Number: P100M2	Title V Permit Issue Date: July 16, 2007 (M2)	NSR Permit Number: 634-M2	NSR Permit Issue Date: October 30, 1998	
® Date of Submittal: August 4, 2008	Reporting Period: April 1- June 30, 2008	OR	Proposed Test Date:	OR	Actual Test Date:

SECTION II - TYPE OF SUBMITTAL (check one that applies)

A. <input type="checkbox"/>	Title V Annual Compliance Certification	Permit Condition(s):	Description:
B. <input type="checkbox"/>	Title V Semi-annual Monitoring Report	Permit Condition(s):	Description:
C. <input type="checkbox"/>	NSPS Requirement (40CFR60)	Regulation:	Section(s): Description:
		Test Protocol <input type="checkbox"/> Test Report <input type="checkbox"/> Other <input type="checkbox"/>	
D. <input type="checkbox"/>	MACT Requirement (40CFR63)	Regulation:	Section(s): Description:
		Test Protocol <input type="checkbox"/> Test Report <input type="checkbox"/> Other <input type="checkbox"/>	
E. <input type="checkbox"/>	NMAC Requirement (20.2.xx) or NESHAP Requirement (40CFR61)	Regulation:	Section(s): Description:
		Test Protocol <input type="checkbox"/> Test Report <input type="checkbox"/> Other <input type="checkbox"/>	
F. <input checked="" type="checkbox"/>	Permit Requirement	Permit No.: 634-M2	Condition(s): 5.f Description: Reporting: include beryllium emissions data generated by the continuous air monitoring of the exhaust stack, sixty days after each calendar quarter.
		Test Protocol <input type="checkbox"/> Test Report <input type="checkbox"/> Other <input checked="" type="checkbox"/>	
G. <input type="checkbox"/>	Requirement of a Settlement Agreement or Compliance Order	NOV or SFO No.:	Section(s): Description:
		Test Protocol <input type="checkbox"/> Test Report <input type="checkbox"/> Other <input type="checkbox"/>	

SECTION III - CERTIFICATION

After reasonable inquiry, I VICTORIA GEORGE certify that the information in this submittal is true, accurate and complete.
(name of reporting official)

® Signature of Reporting Official:

® Title:

Environmental Protection
Division Leader

® Date

8/7/08

® Responsible Official for Title V?

☐ Yes

☒ No

Reviewed By: _____

Date Reviewed: _____